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(54) IC MEMORY CARD SYSTEM DEVICE AND IC MEMORY CARD  
THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To make the unauthorized copy, forgery and imitation of an IC memory card unusable.

SOLUTION: For this IC memory card system device,  $g(k)$  are respectively calculated by a prescribed method in the IC memory card 2 and a terminal equipment 3 from optional key data ( $k$ ) decided in the terminal equipment 3,  $f(k)$  are respectively calculated by the other prescribed method further, whether or not the respective calculated  $g(k)$  are the same is checked in the IC memory card 2, and whether or not the respective calculated  $f(k)$  are the same is checked in the terminal equipment 3. The terminal equipment 3 recognizes that the IC memory card 2 is a proper card for the first time when the respective  $g(k)$  match and then the respective  $f(k)$  match.

